

# SMART PRODUCTION

Maine Department of  
Environmental Protection

“Climbing the Mountain”


9/7/2000

REDUCE ENVIRONMENTAL IMPACTS

UNSUSTAINABLE

SUSTAINABLE

METRICS

	<p><b>PROGRESS</b></p> <p>Valley      Foothills      Top of the Mountain</p>						<u>Product</u> Percent of products produced that are durable, repairable or readily recyclable
	<p>Pathways</p> <p>PRODUCT TO SERVICE      Sell Product      Access to Information      Product Stewardship      Extended Producer Responsibility      Lease Service</p>						<u>People</u> Employee, consumer, community awareness benchmarks
	<p>WORKERS &amp; COMMUNITY      Unaware      One-person Car Commuting      Rail, Ocean      Car Pool      Hyper Car      Mass Transit      Life-long Learning, Awareness, Community Harmony</p>						<u>Transportation</u> Energy used and emissions generated per unit of work or product shipped
	<p>TRANSPORTATION      Truck Shipping      Compliance &amp; Remediation Driven      Pollution Prevention      Product Weight ↓      Local Prods./Consumption      Telecommute, Video Conf.</p>						<u>Management</u> Quantitative Assessment of Performance
	<p>ENVIRONMENTAL MANAGEMENT      Toxics Used      Reduce Volume      Substitute less toxic materials      Eliminate Toxics</p>						<u>Toxics</u> Reduce toxics used, hazardous waste generated, toxics emitted per unit of product
	<p>TOXICS      Take-Make-Waste      Maximize Value-Added      Minimize Material in Product      Closed Loop</p>						<u>Raw Materials</u> Amount of non-renewable/toxic materials used per unit of product
	<p>INPUTS, RAW MATERIALS &amp; PRODUCTS      Toxics and Conventional Emissions Controls      Beyond Compliance      Zero Discharge/Harmless Emissions</p>						<u>Emissions</u> Air emissions per unit of product, Water discharge per unit of product
	<p>AIR AND WATER EMISSIONS      Make Waste      Prevent Waste      Reduce/Reuse/Recycle      Zero Waste Generated/ Create Only Harmless Waste</p>						<u>Waste</u> Solid waste/Hazardous waste per unit of product
	<p>SOLID WASTE</p>						<u>Energy</u> Total energy used, percent of renewable energy used, and carbon emitted per unit of product
	<p>ENERGY      Fossil Fuels      Biomass      Efficient Energy Use      Minimize Energy Used      Hydrogen      Wind      Solar</p>						